

A B S T R A C T

RADIAL SLAVING METHOD FOR A DEVICE FOR REPRODUCING INFORMATION FROM AN OPTICAL DISC AND REPRODUCTION DEVICE IMPLEMENTING THIS METHOD

The invention relates to a radial slaving method and to a reproduction device implementing it for optical discs.

In an optical head of a conventional reproduction device using a four-quadrant detector with four photodiode is distributed on either side of a direction parallel to the axis of the track, the individual signals of the photodiodes (d1 to d4) are combined in order to obtain read signals along the two diagonals (diag1, diag2) by subtraction (21, 22).

A phase comparison signal circuit (100) makes it possible to construct a radial error signal (Sr) by measuring the phase shift of the diagonal read signals.

The invention applies in particular to phase discs with slightly phase-shifting marks.

Figure 4